

STATEMENT OF BASIS (AI No. 39978)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0052353 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Kinder Morgan Liquids Terminals St. Gabriel, LLC
 St. Gabriel Terminal
 4735 Point Clair Road
 St. Gabriel, LA 70776

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
 Office of Environmental Services
 Post Office Box 4313
 Baton Rouge, Louisiana 70821-4313

PREPARED BY: Lisa Kemp

DATE PREPARED: February 4, 2009

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LPDES permit effective date: December 1, 2003
 LPDES permit expiration date: November 30, 2008
 EPA has not retained enforcement authority.

C. Date Application Received: July 25, 2008; additional information received on February 16, 2009, February 19, 2009, April 9, 2009, April 22, 2009, and April 29, 2009.

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY – bulk liquid transfer facility

Kinder Morgan Liquids Terminal, St. Gabriel, Inc. is an existing bulk liquid transfer facility. They operate a tank terminal for storing and transporting volatile organic liquids and other petroleum products (see Appendix A). Various products are pumped into the tanks for storage and pumped out as required. Shipment from the terminal is by truck, barge, pipeline, and/or railcar.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: II
4. SIC code: 4226

C. LOCATION – 4735 Point Clair Road, in St. Gabriel, Iberville Parish
 Latitude 30° 13' 36", Longitude 91° 07' 48"

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3. **OUTFALL INFORMATION**

Outfall 001

Discharge Type: stormwater runoff from the diked tank farm storage area and truck loading areas, area washdown wastewater, and previously monitored effluent from Outfall 101
Treatment: sump
Location: at the point of discharge from the sump prior to combining with other waters
Latitude 30° 13' 44", Longitude 91° 07' 54"
Flow: intermittent
Discharge Route: to the Mississippi River

Outfall 101

Discharge Type: hydrostatic test waters and final rinse washwater from bulk storage tanks
Treatment: none
Location: at the point of discharge from the tank that is being hydrostatically tested or rinsed prior to combining with other waters
Flow: intermittent
Discharge Route: to the Mississippi River via Outfall 001

Outfall 002

Discharge Type: stormwater runoff from the non-diked area on the north side of the facility including the urea ammonium nitrate (UAN) rail spur pipeline pump area*, area washdown wastewater, and previously monitored effluent from Outfalls 102 and 202
Treatment: none
Location: at the point of discharge to the west ditch north of the containment area, west of Outfall 005, prior to combining with other waters
Latitude 30° 13' 30", Longitude 91° 07' 48"
Flow: intermittent
Discharge Route: into Community Canal, thence into Bayou Braud

*Outfall 002 includes stormwater runoff from the UAN pump area, which still exists but does not currently transfer any commodity. It is available for future use, but there are currently no plans for any use for the pump area.

Outfall 102

Discharge Type: hydrostatic test waters and final rinse washwater from bulk storage tanks
Treatment: none
Location: at the point of discharge from the tank that is being hydrostatically tested or rinsed prior to combining with other waters
Flow: intermittent
Discharge Route: into Community Canal via Outfall 002, thence into Bayou Braud

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Outfall 202

Discharge Type: treated sanitary wastewater
Treatment: mechanical sewage treatment plant with spray irrigation*
Location: at the point of discharge from the treatment facility prior to combining with other waters
Flow: estimated 1000 GPD
Discharge Route: into Community Canal via Outfall 002, thence into Bayou Braud

* According to the application, a new sanitary wastewater treatment system was installed at the facility. The system discharges water through a series of sprinklers which allows for "zero" discharge by allowing the treated sanitary wastewater to be irrigated within the boundaries of the terminal. However, according to a telephone conversation on February 19, 2009, Kinder Morgan would like to keep this outfall in the permit in case of discharge.

Outfall 003

Discharge Type: stormwater runoff from the non-diked area on the south side of the facility and previously monitored effluent from Outfall 103
Treatment: none
Location: at the point of discharge to the west ditch south of the containment area prior to combining with other waters
Latitude 30° 13' 23", Longitude 91° 07' 42"
Flow: intermittent
Discharge Route: into Community Canal, thence into Bayou Braud

Outfall 103

Discharge Type: fire water pond overflow wastewater
Treatment: none
Location: at the point of discharge from the overflow pipe near the northwest corner of the fire water pond, prior to combining with other waters
Flow: intermittent
Discharge Route: into Community Canal via Outfall 003, thence into Bayou Braud

Outfall 004

Discharge Type: treated sanitary wastewater
Treatment: extended aeration and activated sludge
Location: at the point of discharge from the treatment facility located in the northwest part of the facility, prior to combining with other waters
Latitude 30° 13' 23", Longitude 91° 07' 42"
Flow: estimated 2000 GPD
Discharge Route: into Community Canal, thence into Bayou Braud

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Outfall 005

Discharge Type: stormwater runoff from the non-diked areas on the north central side of the facility including the hazardous waste storage pad area
 Treatment: none
 Location: at the point of discharge to the west ditch, east of Outfall 002, prior to combining with other waters
 Latitude 30° 13' .57", Longitude 91° 07' .78"
 Flow: intermittent
 Discharge Route: into Community Canal, thence into Bayou Braud

4. RECEIVING WATERS

Final Outfall 001

STREAM – Mississippi River

BASIN AND SEGMENT – Mississippi River Basin, Segment 070301

DESIGNATED USES -
 a. primary contact recreation
 b. secondary contact recreation
 c. propagation of fish and wildlife
 d. drinking water supply

Final Outfalls 002, 003, 004, and 005

STREAM – Bayou Braud

BASIN AND SEGMENT – Lake Pontchartrain Basin, Segment 040201

DESIGNATED USES -
 a. primary contact recreation
 b. secondary contact recreation
 c. propagation of fish and wildlife

5. TMDL STATUS

The discharges from Kinder Morgan Liquids Terminal St. Gabriel, LLC are into the Mississippi River (Outfall 001 and Internal Outfall 101) Subsegment 070301 of the Mississippi River Basin and Bayou Braud (Final Outfalls 002, 003, 004, and 005 and Internal Outfalls 102, 202, and 103), Subsegment 040201 of the Lake Pontchartrain Basin.

Subsegment 040201

Subsegment 040201, Bayou Manchac – from headwaters to Amite River, is listed on LDEQ's Final 2006 303(d) List as impaired for ammonia, phosphorus, nitrogen (nitrate + nitrite as N), organic enrichment/ low dissolved oxygen (DO), pathogen indicators, and chlorides, sulfates, and total dissolved solids (tds). Chlorides, sulfates, and tds are listed as impaired due to site clearance (land development or

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redevelopment). To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Lake Pontchartrain Basin, those suspected causes for impairment which are not directly attributed to the bulk liquid transfer facility point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated.

Organic enrichment/low dissolved oxygen

The discharges from Outfalls 002, 102, 202, 003, 103, 004, and 005 have the potential to discharge pollutants which may contribute to organic enrichment/low dissolved oxygen (DO) impairments of the receiving waterbody. The organic enrichment/low DO impairment shall be addressed through the TOC parameter in Outfalls 002, 102, 003, 103, and 005, and through the BOD parameter in Outfalls 202 and 004.

Phosphorus and nitrogen

Outfalls 202 and 004 have the potential to discharge pollutants associated with the phosphorus and nitrogen impairments. However, the volume of the discharge is too small to have a significant impact on the receiving stream. In addition, a sprinkler system has been installed at Outfall 202 which is designed for "no discharge." LDEQ's position, as supported by the ruling in the lawsuit regarding water quality criteria for nutrients (*Sierra Club v. Givens*, 710 So.2d 249 (La. App. 1st Cir. 1997), writ denied, 705 So.2d 1106 (La. 1998), is that when oxygen-demanding substances are controlled and limited in order to ensure that the dissolved oxygen criterion is supported, nutrients are also controlled and limited. LAC 33:IX.2707.D.1.f.iii allows the establishment of effluent limitations based on an indicator parameter for the pollutant of concern. LDEQ's consistent approach to controlling nutrients where the WQMP does not otherwise require specific nutrient limitations is achieved by limiting the discharge of oxygen-demanding substances through a BOD5 limitation. Compliance with the BOD5 limitation as the indicator parameter will result in the control of nutrients from the discharge sufficient to attain and maintain the applicable water quality standard. Effluent monitoring of the indicator parameter as conducted by the permittee in accordance with Part I of the permit in addition to LDEQ's ambient water quality monitoring program will allow for further evaluation by the Department to determine the effectiveness of the limitation. The reopener clause located in Part II of the final permit allows the Department to modify or revoke and reissue the permit if the limitations as set on the indicator parameter are shown to no longer attain and maintain applicable water quality standards.

Ammonia and nitrogen

Outfalls 002, 102, and 005 have the potential to discharge pollutants associated with the ammonia and nitrogen impairments because of the storage and transfer of urea ammonium nitrate (UAN), and the potential for leaks and spills during the transfer of the product at the pumps, tanks, and pipes. Report requirements for TKN and nitrates have been established in the permit. The reported values will be used in the TMDL study for this waterbody. Upon completion of the TMDL, the report requirement will either be deleted, or a limit will be set.

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Pathogen Indicators

Outfalls 202 and 004 have the potential to discharge pollutants associated with the pathogen indicators impairment. This impairment shall be addressed through the fecal coliform parameter.

Chlorides and Total Dissolved Solids (TDS)

Chlorides, sulfates, and TDS are listed as impaired due to site clearance (land development or redevelopment). However, Outfalls 102 and 005 have the potential to discharge pollutants associated with the TDS/chlorides impairments because of the storage and transfer of calcium chloride. Therefore, a report requirement for chlorides has been retained in the permit for Outfall 102 and established in the permit for Outfall 005 in order to gather data on the amount of chlorides being discharged. The reported values will be used in the TMDL study for this waterbody.

Subsegment 070301

The discharges from Outfall 001 and 101 are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDLs have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

6. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale, Below

Changes from the previous permit:

1. Outfall 001
 - a. Effluent limitations for base/neutral compounds, metals, cyanide, and pesticides have been added to Outfall 001 because of the potential to store commodities containing these compounds in the future.
 - b. Reporting requirements for TKN and Nitrates have been removed because the receiving stream is no longer impaired for Nitrates.
2. Outfall 202
 - a. Monthly Average limitations have been included for BOD₅, TSS, and Fecal Coliform at Outfall 202 based on the Class I Sanitary General LPDES permit, LAG530000, effective December 1, 2007. Fecal Coliform has been changed from Weekly Average to Daily Maximum based on current LDEQ guidance for similar facilities.
 - b. The monitoring frequency for Fecal Coliform has been increased from 1/6 months to 1/quarter due to effluent limitations violations.
3. Outfall 004
 - a. Monthly Average limitations have been included for BOD₅, TSS, and Fecal Coliform at Outfall 004 based on the Class I Sanitary General LPDES permit, LAG530000, effective December 1, 2007. Fecal Coliform has been changed from Weekly Average to Daily Maximum based on current LDEQ guidance for similar facilities.
4. Outfall 005 has been added for the discharge of stormwater runoff from the non-diked areas on the north central side of the facility.
5. Because discharges from this facility flow into a drinking water protection area, language has been added to Part II of the permit requiring the permittee to contact the nearby drinking water treatment

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- facility in the event of any unauthorized discharge into the Mississippi River.
6. The Part II Sandblasting requirements have been updated per current guidance.

7. COMPLIANCE HISTORY/COMMENTS

- A. Water Compliance History – There are no open, appealed, or pending enforcement actions for this facility as of February 6, 2009.
- a. Compliance Order MM-CN-07-0096, issued on August 3, 2007 to Kinder Morgan for their Harvey and St. Gabriel terminals, included Air Quality violations at the St. Gabriel terminal. Settlement in the amount of \$280,000 was issued on June 10, 2008.
- B. DMR Review/Excursions – DMRs on file were reviewed for the period September 30, 2006 through December 31, 2008. DMRs were not on file in EMDS for the period April, 2008 through June, 2008. DMRs submitted after December, 2006 did not contain a list of commodities stored onsite as required by the permit. The permit limitation for Lead is incorrectly listed as 100ug/L Daily Maximum on the DMRs. The permit limitation for Lead should be 50 ug/L. However, no permit excursions for Lead were noted. The following excursions were noted:

Date	Parameter	Outfall	Reported Value	Permit Limits
Dec.,2007	TSS	202	86 mg/L	45 mg/L
	Fecal Coliform	202	>60,000 col/100ml	400 col/100ml
Jun.,2007	Fecal Coliform	202	10,000 col/100ml	400 col/100ml
Sept.,2006	BOD ₅	202	136 mg/L	45 mg/L
	TSS	202	176 mg/L	45 mg/L

- C. Inspections – A compliance inspection performed on May 21, 2004 showed no areas of concern.

8. EXISTING EFFLUENT LIMITS

See Appendix B

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 040201 of the Lake Pontchartrain Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U. S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. Consultation with the Service is required if the proposed permit is in sensitive waters and contains one or more listed substances. The draft permit is in listed sensitive waters and contains monitoring of acid compounds, volatile compounds, base/neutral compounds, metals, cyanide, phenols, and pesticides. Therefore, this draft permit has been submitted to the FWS for review in accordance with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

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10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for Delta Terminal Services, L.L.C.

1. **Outfall 001** - stormwater runoff from the diked tank farm storage area and truck loading areas, area washdown wastewater, and previously monitored effluent from Outfall 101 (flow is intermittent)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
Flow-MGD	Report	Report	previous permit; LAC 33:IX.2707.I.1.b
TOC	---	50 mg/L	*, previous permit
Oil & Grease	---	15 mg/L	*, previous permit
Chlorides ²	---	Report	Previous permit; BPJ
Total BTEX ¹	---	250 ug/L	Previous permit; LAG670000
pH, standard units	6.0	9.0	*, previous permit
METALS, CYANIDE, TOTAL PHENOLS			
Antimony ⁴	---	600 ug/L	BPJ
Arsenic ⁴	---	100 ug/L	BPJ
Beryllium ⁴	---	100 ug/L	BPJ
Cadmium ⁴	---	100 ug/L	BPJ
Chromium ⁴	---	150 ug/L	BPJ
Copper ⁴	---	500 ug/L	BPJ
Lead ^{1,4}	---	50 ug/L	Previous permit; LAG670000
Mercury ⁴	---	10 ug/L	BPJ
Nickel ⁴	---	500 ug/L	BPJ
Selenium ⁴	---	100 ug/L	BPJ
Silver ⁴	---	100 ug/L	BPJ
Thallium ⁴	---	100 ug/L	BPJ
Zinc ⁴	---	1000 ug/L	BPJ
Total Cyanide ⁴	---	100 ug/L	BPJ
Total Phenols ³	---	500 ug/L	Previous permit; BPJ
VOLATILE COMPOUNDS			
Acrolein ⁴	---	100 ug/L	Previous permit; BPJ
Acrylonitrile ⁴	---	100 ug/L	Previous permit; BPJ
Benzene ^{1,4}	---	100 ug/L	Previous permit; BPJ
Bromoform ⁴	---	100 ug/L	Previous permit; BPJ
Carbon Tetrachloride ⁴	---	100 ug/L	Previous permit; BPJ
Chlorobenzene ⁴	---	100 ug/L	Previous permit; BPJ
Chlorodibromomethane ⁴	---	100 ug/L	Previous permit; BPJ
Chloroethane ⁴	---	100 ug/L	Previous permit; BPJ
2-Chloroethyl Vinyl Ether ⁴	---	100 ug/L	Previous permit; BPJ
Chloroform ⁴	---	100 ug/L	Previous permit; BPJ
Dichlorobromomethane ⁴	---	100 ug/L	Previous permit; BPJ
1,2-Dichlorobenzene ⁴	---	100 ug/L	BPJ

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1,3-Dichlorobenzene ⁴	---	100 ug/L	BPJ
1,4-Dichlorobenzene ⁴	---	100 ug/L	BPJ
1,1-Dichloroethane ⁴	---	100 ug/L	Previous permit; BPJ
1,2-Dichloroethane ⁴	---	100 ug/L	Previous permit; BPJ
1,1-Dichloroethylene ⁴	---	100 ug/L	Previous permit; BPJ
1,2-Dichloropropane ⁴	---	100 ug/L	Previous permit; BPJ
1,3-Dichloropropylene ⁴	---	100 ug/L	Previous permit; BPJ
Ethylbenzene ⁴	---	100 ug/L	Previous permit; BPJ
Methyl Bromide ⁴	---	100 ug/L	Previous permit; BPJ
Methyl Chloride ⁴	---	100 ug/L	Previous permit; BPJ
Methylene Chloride ⁴	---	100 ug/L	Previous permit; BPJ
1,1,2,2-Tetra-Chloroethane ⁴	---	100 ug/L	Previous permit; BPJ
Tetrachloroethylene ⁴	---	100 ug/L	Previous permit; BPJ
Toluene ⁴	---	100 ug/L	Previous permit; BPJ
1-2-Trans-Dichloroethylene ⁴	---	100 ug/L	Previous permit; BPJ
1,1,1-Trichloroethane ⁴	---	100 ug/L	Previous permit; BPJ
1,1,2-Trichloroethane ⁴	---	100 ug/L	Previous permit; BPJ
Trichlorethylene ⁴	---	100 ug/L	Previous permit; BPJ
Vinyl Chloride ⁴	---	100 ug/L	Previous permit; BPJ
ACID COMPOUNDS			
Phenol ⁴	---	100 ug/L	Previous permit; BPJ
2-Nitrophenol ⁴	---	100 ug/L	Previous permit; BPJ
4-Nitrophenol ⁴	---	100 ug/L	Previous permit; BPJ
2,4-Dinitrophenol ⁴	---	100 ug/L	Previous permit; BPJ
4,6-Dinitro-o-Cresol ⁴	---	100 ug/L	Previous permit; BPJ
P-Chloro-M-Cresol ⁴	---	100 ug/L	Previous permit; BPJ
Pentachlorophenol ⁴	---	100 ug/L	Previous permit; BPJ
2-chlorophenol ⁴	---	100 ug/L	Previous permit; BPJ
2,4-Dichlorophenol ⁴	---	100 ug/L	Previous permit; BPJ
2,4,6-Trichlorophenol ⁴	---	100 ug/L	Previous permit; BPJ
2,4-Dimethylphenol ⁴	---	100 ug/L	Previous permit; BPJ
BASE/NEUTRAL COMPOUNDS			
1,2-Diphenylhydrazine ⁴	---	100 ug/L	BPJ
1,2,4-Trichlorobenzene ⁴	---	100 ug/L	BPJ
2-Chloronaphthalene ⁴	---	100 ug/L	BPJ
2,4-Dinitrotoluene ⁴	---	100 ug/L	BPJ
2,6-Dinitrotoluene ⁴	---	100 ug/L	BPJ
3,3'-Dichlorobenzidine ⁴	---	100 ug/L	BPJ
3,4-Benzofluoranthene ⁴	---	100 ug/L	BPJ
4-Bromophenyl Phenyl Ether ⁴	---	100 ug/L	BPJ
4-Chlorophenyl Phenyl Ether ⁴	---	100 ug/L	BPJ
Acenaphthene ⁴	---	100 ug/L	BPJ
Acenaphthylene ⁴	---	100 ug/L	BPJ

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Anthracene ⁴	---	100 ug/L	BPJ
Benzidine ⁴	---	100 ug/L	BPJ
Benzo (a) Anthracene ⁴	---	100 ug/L	BPJ
Benzo (a) Pyrene ⁴	---	100 ug/L	BPJ
Benzo, (g,h,i) Perylene ⁴	---	100 ug/L	BPJ
Benzo (k) Fluoranthene ⁴	---	100 ug/L	BPJ
Bis (2-Chloroethoxy) Methane ⁴	---	100 ug/L	BPJ
Bis (2-Chloroethyl) Ether ⁴	---	100 ug/L	BPJ
Bis (2-Chloroisopropyl) Ether ⁴	---	100 ug/L	BPJ
Bis (2-Ethylhexyl) Phthalate ⁴	---	100 ug/L	BPJ
Butyl Benzyl Phthalate ⁴	---	100 ug/L	BPJ
Chrysene ⁴	---	100 ug/L	BPJ
Dibenzo (a,h) Anthracene ⁴	---	100 ug/L	BPJ
Diethyl Phthalate ⁴	---	100 ug/L	BPJ
Dimethyl Phthalate ⁴	---	100 ug/L	BPJ
Di-N-Butyl Phthalate ⁴	---	100 ug/L	BPJ
Di-N-Octyl Phthalate ⁴	---	100 ug/L	BPJ
Fluoranthene ⁴	---	100 ug/L	BPJ
Fluorene ⁴	---	100 ug/L	BPJ
Hexachlorobenzene ⁴	---	100 ug/L	BPJ
Hexachlorobutadiene ⁴	---	100 ug/L	BPJ
Hexachlorocyclopentadiene ⁴	---	100 ug/L	BPJ
Hexachloroethane ⁴	---	100 ug/L	BPJ
Ideno (1,2,3-c,d) Pyrene ⁴	---	100 ug/L	BPJ
Isophorone ⁴	---	100 ug/L	BPJ
Naphthalene ⁴	---	100 ug/L	BPJ
Nitrobenzene ⁴	---	100 ug/L	BPJ
N-Nitrosodimethylamine ⁴	---	100 ug/L	BPJ
N-Nitrosodi-n-propylamine ⁴	---	100 ug/L	BPJ
N-Nitrosodiphenylamine ⁴	---	100 ug/L	BPJ
Phenanthrene ⁴	---	100 ug/L	BPJ
Pyrene ⁴	---	100 ug/L	BPJ
PESTICIDES/HERBICIDES			
Alpha-Endosulfan ⁴	---	10 ug/L	BPJ
Beta-Endosulfan ⁴	---	10 ug/L	BPJ
Endosulfan Sulfate ⁴	---	10 ug/L	BPJ
Aldrin ⁴	---	10 ug/L	BPJ
Alpha-BHC ⁴	---	10 ug/L	BPJ
Beta-BHC ⁴	---	10 ug/L	BPJ
Gamma-BHC ⁴	---	10 ug/L	BPJ
Delta-BHC ⁴	---	10 ug/L	BPJ
Dieldrin ⁴	---	10 ug/L	BPJ
4,4'-DDE ⁴	---	10 ug/L	BPJ
4,4'-DDD ⁴	---	10 ug/L	BPJ

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4,4'-DDT ⁴	---	10 ug/L	BPJ
Heptachlor ⁴	---	10 ug/L	BPJ
Endrin Aldehyde ⁴	---	10 ug/L	BPJ
Heptachlor Epoxide ⁴	---	10 ug/L	BPJ
Chlordane ⁴	---	10 ug/L	BPJ
Toxaphene ⁴	---	10 ug/L	BPJ
PCB-1242 ⁴	---	5	BPJ
PCB-1254 ⁴	---	5	BPJ
PCB-1221 ⁴	---	5	BPJ
PCB-1232 ⁴	---	5	BPJ
PCB-1248 ⁴	---	5	BPJ
PCB-1260 ⁴	---	5	BPJ
PCB-1016 ⁴	---	5	BPJ
2,3,7,8-TCDD (Dioxin) ⁴	---	5ug/L	BPJ
Endrin ⁴	---	5ug/L	BPJ

BPJ Best Professional Judgement

* LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

1. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing liquid or gaseous hydrocarbons:
2. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing chloride.
3. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing any phenolic compound.
4. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing this parameter.
5. There shall be no discharge of polychlorinated biphenyls (PCBs).

Treatment: sump

Monitoring Frequency: 1/2 weeks at the point of discharge from the sump, prior to mixing with other waters.

Monitoring of the parameters as specified above should terminate two monitoring periods after the commodities are no longer stored on site. If the effluent limitation is exceeded during either of these two additional monitoring periods, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for the specified parameter shall cease. Monitoring for parameters with a report only requirement including chlorides, is only required for two monitoring periods after the commodities containing any of these parameters are no longer stored onsite.

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Limits Justification: flow, TOC, oil and grease, and pH limits are based on the previous permit and on LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6).

Lead and BTEX effluent limits are based on the Hydrostatic Test Wastewater General Permit, LAG670000, and the previous permit.

The Total Phenols parameter is included in the permit based on BPJ because the facility may handle and/or store commodities that contain phenolic compounds, and there is potential for leaks and spills during the transfer of the products. The effluent limit is based on current LDEQ practices.

Chlorides reporting was established in the previous permit because of the storage and transfer of calcium chloride, and the potential for leaks and spills during the transfer of the product at the pumps, tanks and pipes. The reporting requirement was established to gain data on the amount of chlorides being discharged. However, because the facility has not stored calcium chloride in the past two years, there is not sufficient data. Therefore, the chlorides reporting requirement shall remain.

TKN and Nitrates reporting was established in the previous permits because of the storage and transfer of urea ammonium nitrate and the potential for leaks and spills during the transfer of the product at the pumps, tanks and pipes. The 2003 statement of basis noted that DMR data reviewed showed that the average levels of TKN and Nitrates were above the background levels of the receiving stream. Because the averages were above the background levels of Subsegment 070301, and Subsegment 070301 was impaired for Nitrates, the reporting requirement was retained in the 2003 permit. According to the DMR data, the facility has only stored commodities containing ammonium compounds or nitrates once in the past two years. Subsegment 070301 is no longer listed as impaired for Nitrates, therefore, the reporting requirement for TKN and Nitrates for Outfall 001 has been deleted in this permit.

All other parameters are included in the permit based on BPJ because of the potential for the facility to handle and/or store commodities containing metals, volatile compounds, acid compounds, base/neutral compounds and pesticides/herbicides, and because there is potential for leaks and spills during the transfer of the products. The effluent limitations are based on state empirical limitations and are consistent with current LDEQ practices for permitting stormwater with potential to discharge these types of pollutants.

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2. **Outfall 101** - hydrostatic test waters and final rinse washwater from bulk storage tanks (flow is intermittent)

Outfall 102- hydrostatic test waters and final rinse washwater from bulk storage tanks (flow is intermittent)

For all tanks, the following daily maximum effluent limitations shall be met:

Pollutant	Limitation (mg/L unless stated)		Reference
	Monthly Avg	Daily Max	
Flow-MGD	Report	Report	previous permit; LAC 33:IX.2707.1.1.b
TOC	---	50	LAG670000; previous permit
Oil & Grease	---	15	LAG670000; previous permit
TSS	---	90	LAG670000; previous permit
pH*, standard units	6.0	9.0	LAG670000; previous permit

- * If the effluent from the tank(s) commingles with stormwater and/or area washdown wastewater prior to discharging through the final outfall, the permittee will NOT be required to monitor for pH at the internal outfalls.

In addition to Flow, TOC, Oil & Grease, TSS, and pH:

For tanks that previously contained liquid or gaseous petroleum hydrocarbons, the following daily maximum effluent limitations shall be met:

Pollutant	Limitation (mg/L unless stated)		Reference
	Monthly Avg	Daily Max	
Lead	---	0.05	LAG670000; previous permit
Total BTEX	---	0.25	LAG670000; previous permit
Benzene	---	0.10	LAG670000; previous permit

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For tanks that previously contained one of the following chemicals, the following daily maximum effluent limitation shall be met for the respective chemical:

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
METALS, CYANIDE			
Antimony	---	600 ug/L	BPJ
Arsenic	---	100 ug/L	BPJ
Beryllium	---	100 ug/L	BPJ
Cadmium	---	100 ug/L	BPJ
Chromium	---	150 ug/L	BPJ
Copper	---	500 ug/L	BPJ
Lead	---	50 ug/L	LAG670000, previous permit, BPJ
Mercury	---	10 ug/L	BPJ
Nickel	---	500 ug/L	BPJ
Selenium	---	100 ug/L	BPJ
Silver	---	100 ug/L	BPJ
Thallium	---	100 ug/L	BPJ
Zinc	---	1000 ug/L	BPJ
Total Cyanide	---	100 ug/L	BPJ
VOLATILE COMPOUNDS			
Acrolein	---	100 ug/L	Previous permit; BPJ
Acrylonitrile	---	100 ug/L	Previous permit; BPJ
Benzene	---	100 ug/L	Previous permit; BPJ
Bromoform	---	100 ug/L	Previous permit; BPJ
Carbon Tetrachloride	---	100 ug/L	Previous permit; BPJ
Chlorobenzene	---	100 ug/L	Previous permit; BPJ
Chlorodibromomethane	---	100 ug/L	Previous permit; BPJ
Chloroethane	---	100 ug/L	Previous permit; BPJ
2-Chloroethyl Vinyl Ether	---	100 ug/L	Previous permit; BPJ
Chloroform	---	100 ug/L	Previous permit; BPJ
Dichlorobromomethane	---	100 ug/L	Previous permit; BPJ
1,2-Dichlorobenzene	---	100 ug/L	BPJ
1,3-Dichlorobenzene	---	100 ug/L	BPJ
1,4-Dichlorobenzene	---	100 ug/L	BPJ
1,1-Dichloroethane	---	100 ug/L	Previous permit; BPJ
1,2-Dichloroethane	---	100 ug/L	Previous permit; BPJ
1,1-Dichloroethylene	---	100 ug/L	Previous permit; BPJ
1,2-Dichloropropane	---	100 ug/L	Previous permit; BPJ
1,3-Dichloropropylene	---	100 ug/L	Previous permit; BPJ
Ethylbenzene	---	100 ug/L	Previous permit; BPJ
Methyl Bromide	---	100 ug/L	Previous permit; BPJ

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Methyl Chloride	---	100 ug/L	Previous permit; BPJ
Methylene Chloride	---	100 ug/L	Previous permit; BPJ
1,1,2,2-Tetra-Chloroethane	---	100 ug/L	Previous permit; BPJ
Tetrachloroethylene	---	100 ug/L	Previous permit; BPJ
Toluene	---	100 ug/L	Previous permit; BPJ
1-2-Trans-Dichloroethylene	---	100 ug/L	Previous permit; BPJ
1,1,1-Trichloroethane	---	100 ug/L	Previous permit; BPJ
1,1,2-Trichloroethane	---	100 ug/L	Previous permit; BPJ
Trichlorethylene	---	100 ug/L	Previous permit; BPJ
Vinyl Chloride	---	100 ug/L	Previous permit; BPJ
ACID COMPOUNDS			
Phenol	---	100 ug/L	Previous permit; BPJ
2-Nitrophenol	---	100 ug/L	Previous permit; BPJ
4-Nitrophenol	---	100 ug/L	Previous permit; BPJ
2,4-Dinitrophenol	---	100 ug/L	Previous permit; BPJ
4,6-Dinitro-o-Cresol	---	100 ug/L	Previous permit; BPJ
P-Chloro-M-Cresol	---	100 ug/L	Previous permit; BPJ
Pentachlorophenol	---	100 ug/L	Previous permit; BPJ
2-chlorophenol	---	100 ug/L	Previous permit; BPJ
2,4-Dichlorophenol	---	100 ug/L	Previous permit; BPJ
2,4,6-Trichlorophenol	---	100 ug/L	Previous permit; BPJ
2,4-Dimethylphenol	---	100 ug/L	Previous permit; BPJ
BASE/NEUTRAL COMPOUNDS			
1,2-Diphenylhydrazine	---	100 ug/L	BPJ
1,2,4-Trichlorobenzene	---	100 ug/L	BPJ
2-Chloronaphthalene	---	100 ug/L	BPJ
2,4-Dinitrotoluene	---	100 ug/L	BPJ
2,6-Dinitrotoluene	---	100 ug/L	BPJ
3,3'-Dichlorobenzidine	---	100 ug/L	BPJ
3,4-Benzofluoranthene	---	100 ug/L	BPJ
4-Bromophenyl Phenyl Ether	---	100 ug/L	BPJ
4-Chlorophenyl Phenyl Ether	---	100 ug/L	BPJ
Acenaphthene	---	100 ug/L	BPJ
Acenaphthylene	---	100 ug/L	BPJ
Anthracene	---	100 ug/L	BPJ
Benzidine	---	100 ug/L	BPJ
Benzo (a) Anthracene	---	100 ug/L	BPJ
Benzo (a) Pyrene	---	100 ug/L	BPJ
Benzo, (g,h,i) Perylene	---	100 ug/L	BPJ
Benzo (k) Fluoranthene	---	100 ug/L	BPJ
Bis (2-Chloroethoxy) Methane	---	100 ug/L	BPJ
Bis (2-Chloroethyl) Ether	---	100 ug/L	BPJ
Bis (2-Chloroisopropyl) Ether	---	100 ug/L	BPJ

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Bis (2-Ethylhexyl) Phthalate	---	100 ug/L	BPJ
Butyl Benzyl Phthalate	---	100 ug/L	BPJ
Chrysene	---	100 ug/L	BPJ
Dibenzo (a,h) Anthracene	---	100 ug/L	BPJ
Diethyl Phthalate	---	100 ug/L	BPJ
Dimethyl Phthalate	---	100 ug/L	BPJ
Di-N-Butyl Phthalate	---	100 ug/L	BPJ
Di-N-Octyl Phthalate	---	100 ug/L	BPJ
Fluoranthene	---	100 ug/L	BPJ
Fluorene	---	100 ug/L	BPJ
Hexachlorobenzene	---	100 ug/L	BPJ
Hexachlorobutadiene	---	100 ug/L	BPJ
Hexachlorocyclopentadiene	---	100 ug/L	BPJ
Hexachloroethane	---	100 ug/L	BPJ
Ideno (1,2,3-c,d) Pyrene	---	100 ug/L	BPJ
Isophorone	---	100 ug/L	BPJ
Naphthalene	---	100 ug/L	BPJ
Nitrobenzene	---	100 ug/L	BPJ
N-Nitrosodimethylamine	---	100 ug/L	BPJ
N-Nitrosodi-n-propylamine	---	100 ug/L	BPJ
N-Nitrosodiphenylamine	---	100 ug/L	BPJ
Phenanthrene	---	100 ug/L	BPJ
Pyrene	---	100 ug/L	BPJ
PESTICIDES/HERBICIDES			
Alpha-Endosulfan	---	10 ug/L	BPJ
Beta-Endosulfan	---	10 ug/L	BPJ
Endosulfan Sulfate	---	10 ug/L	BPJ
Aldrin	---	10 ug/L	BPJ
Alpha-BHC	---	10 ug/L	BPJ
Beta-BHC	---	10 ug/L	BPJ
Gamma-BHC	---	10 ug/L	BPJ
Delta-BHC	---	10 ug/L	BPJ
Dieldrin	---	10 ug/L	BPJ
4,4'-DDE	---	10 ug/L	BPJ
4,4'-DDD	---	10 ug/L	BPJ
4,4'-DDT	---	10 ug/L	BPJ
Heptachlor	---	10 ug/L	BPJ
Endrin Aldehyde	---	10 ug/L	BPJ
Heptachlor Epoxide	---	10 ug/L	BPJ
Chlordane	---	10 ug/L	BPJ
Toxaphene	---	10 ug/L	BPJ
PCB-1242	---		BPJ
PCB-1254	---		BPJ
PCB-1221	---		BPJ

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PCB-1232	---		BPJ
PCB-1248	---		BPJ
PCB-1260	---		BPJ
PCB-1016	---		BPJ
2,3,7,8-TCDD (Dioxin)	---	5ug/L	BPJ
Endrin	---	5ug/L	BPJ

1 There shall be no discharge of polychlorinated biphenyls (PCBs).

For tanks that previously contained phenols, the following daily maximum effluent limitations shall be met:

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
Total Phenols	---	500 ug/L	BPJ

For tanks that previously contained calcium chloride or other inorganic compounds containing chlorides, the following daily maximum effluent limitation shall be met:

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
Chlorides	---	Report	BPJ; Previous permit

For tanks that previously contained ammonium compounds, the following daily maximum effluent limitation shall be met:

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
TKN	---	Report	BPJ; Previous permit

For tanks that previously contained compounds containing nitrate, the following daily maximum effluent limitation shall be met:

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
Nitrates	---	Report	BPJ; Previous permit

Treatment: none

Monitoring Frequency: once per discharge at the point of discharge from each tank. If any discharge extends beyond one week in duration, then the sampling of the above parameters shall continue on a weekly basis until the discharge ends.

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Limits Justification: Flow reporting is based on LAC 33:IX. 33:IX.2707.1.1.b and the previous permit.

Oil & Grease, TSS, TOC, pH, Lead, BTEX, and Benzene effluent limit are based on the General Permit for Hydrostatic Test Water, LAG670000 and the previous permit.

TKN, Nitrates, and Chlorides reporting was established in the previous permit because of the storage and transfer of urea ammonium nitrate and calcium chloride. The reporting requirement was established to gain data on the amount of TKN, nitrates and chlorides being discharged. According to the DMR data, the facility has only stored commodities containing ammonium compounds or nitrates once in the past two years. There is no record of storage of chloride containing compounds. There is not sufficient data to determine whether or not a limit is necessary. Therefore, the reporting requirements shall remain.

The Total Phenols effluent limit is based on BPJ because the facility may store commodities that contain phenols.

All other parameter effluent limits are based on BPJ because of the potential for the facility to store commodities containing volatile compounds, base/neutral compounds, acid compounds, metals, cyanide, and pesticides/herbicides.

BPJ Best Professional Judgement

3. **Outfall 002** - stormwater runoff from the non-diked area on the north side of the facility including the urea ammonium nitrate (UAN) rail spur pipeline pump area; area washdown wastewater, and previously monitored effluent from Outfalls 102 and 202 (flow is intermittent)

Pollutant	Limitation (mg/L unless stated)		Reference
	Monthly Avg	Daily Max	
Flow	Report	Report	previous permit; LAC 33:IX.2707.1.1.b
TOC	---	50	*; previous permit
Oil & Grease	---	15	*; previous permit
TKN ¹	---	Report	previous permit; BPJ
Nitrates ²	---	Report	Previous permit; BPJ
pH, standard units	6.0	9.0	*; previous permit

1. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing ammonium compounds.
2. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing nitrates.

Treatment: none

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Monitoring Frequency: quarterly at the point of discharge to the west ditch north of the containment area, west of Outfall 005, prior to mixing with other waters.

Limits Justification: Flow reporting is based on LAC 33:IX. 33:IX.2707.1.1.b and the previous permit. TOC, Oil & Grease, and pH effluent limits are based on LDEQ stormwater guidance and the previous permit.

TKN and nitrates reporting was established in the previous permit because of the storage and transfer of urea ammonium nitrate, and the potential for leaks and spills during the transfer of the product at the pumps, tanks and pipes. According to the DMR data, the facility has only stored commodities containing ammonium compounds or nitrates once in the past two years. There is not sufficient data to determine whether or not a limit is necessary. Therefore, the reporting requirements shall remain. The reported values will be used in the TMDL study for this waterbody. Upon completion of the TMDL, the report requirement will either be deleted, or a limit will be set.

- * LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

BPJ Best Professional Judgement

4. **Outfall 202 – treated sanitary wastewater (estimated flow is 1000 gpd)**

Pollutant	Limitation		Reference
	Monthly Avg	Weekly Avg	
	mg/L		
Flow	Report	Report	
BOD ₅	30	45	Similar discharges (BPJ), LAG530000
TSS	30	45	Similar discharges (BPJ), LAG530000
Fecal Coliform colonies/100ml	200	400 (Daily Max)	Similar discharges (BPJ), LAG530000
pH standard units	6.0 (min)	9.0 (max)	Similar discharges (BPJ), LAG530000

Treatment: mechanical sewage treatment plant with spray irrigation

Monitoring Frequency: Quarterly for Fecal Coliform, semiannually for all other parameters at the point of discharge from the STP prior to mixing with other waters. If the effluent from the treatment facility commingles with stormwater and/or area washdown prior to discharging through final Outfall 002, the permittee will NOT be required to monitor for pH at the internal outfall.

Limits Justification: Limits and monitoring frequencies are based on current guidance for similar discharges from other industrial facilities and the Class I Sanitary Discharge General Permit, LAG530000 effective November 1, 2007. The monitoring frequency for Fecal Coliform has been increased to quarterly due to effluent limits violations.

BPJ Best Professional Judgement

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4. **Outfall 003** – stormwater from the nondiked area on the south side of the facility and previously monitored effluent from Outfall 103 (flow is intermittent)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	Mg/L		
Flow - gpd	Report	Report	LAC 33:IX.2707.I.1.b
TOC	---	50	Previous permit; *
Oil & Grease	---	15	Previous permit; *
pH, standard units	6.0 (min)	9.0 (max)	Previous permit; *

Treatment: none

Monitoring Frequency: quarterly at the point of discharge to the west ditch south of the containment area, prior to mixing with other waters.

Limits Justification: limits are based on the previous permit and LDEQ stormwater guidance.

- * LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

5. **Outfall 103** – fire water pond overflow wastewater (flow is intermittent)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	Mg/L		
Flow - gpd	Report	Report	LAC 33:IX.2707.I.1.b
TOC	---	50	Previous permit; *
Oil & Grease	---	15	Previous permit; *
pH, standard units	6.0 (min)	9.0 (max)	Previous permit; *

Treatment: none

Monitoring Frequency: quarterly at the point of discharge from the overflow pipe near the northwest corner of the fire water pond. If the effluent from the fire water pond commingles with stormwater runoff from the non-diked area prior to discharging through the final Outfall 003, the permittee will NOT be required to monitor for pH at the internal Outfall 103.

Limits Justification: limits are based on the previous permit and LDEQ stormwater guidance.

- * LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

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6. **Outfall 004** – treated sanitary wastewater (estimated flow is 2000 gpd)

Pollutant	Limitation		Reference
	Monthly Avg	Weekly Avg	
	mg/L		
Flow	Report	Report	
BOD ₅	30	45	Similar discharges (BPJ), LAG530000
TSS	30	45	Similar discharges (BPJ), LAG530000
Fecal Coliform colonies/100ml	200	400 (Daily Max)	Similar discharges (BPJ), LAG530000
pH standard units	6.0 (min)	9.0 (max)	Similar discharges (BPJ), LAG530000

Treatment: mechanical sewage treatment plant with spray irrigation

Monitoring Frequency: Semiannually for all parameters at the point of discharge from the STP prior to mixing with other waters.

Limits Justification: Limits and monitoring frequencies are based on current guidance for similar discharges from other industrial facilities and the Class I Sanitary Discharge General Permit, LAG530000 effective November 1, 2007.

BPJ Best Professional Judgement

7. **Outfall 005** - stormwater runoff from the non-diked area on the north central side of the facility including the hazardous waste storage pad area (flow is intermittent)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
Flow-MGD	Report	Report	*, BPJ
TOC	---	50 mg/L	*,BPJ
Oil & Grease	---	15 mg/L	*, BPJ
Total BTEX ¹	---	250 ug/L	BPJ
Chlorides ²	---	Report	BPJ
TKN ⁶	---	Report	BPJ
Nitrates ⁷	---	Report	BPJ
pH	6.0 su	9.0 su	*, BPJ
METALS, CYANIDE, TOTAL PHENOLS			
Antimony ³	---	600 ug/L	BPJ
Arsenic ³	---	100 ug/L	BPJ
Beryllium ³	---	100 ug/L	BPJ
Cadmium ³	---	100 ug/L	BPJ
Chromium ³	---	150 ug/L	BPJ
Copper ³	---	500 ug/L	BPJ

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Lead ^{1,3}	---	50 ug/L	LAG670000, BPJ
Mercury ³	---	10 ug/L	BPJ
Nickel ³	---	500 ug/L	BPJ
Selenium ³	---	100 ug/L	BPJ
Silver ³	---	100 ug/L	BPJ
Thallium ³	---	100 ug/L	BPJ
Zinc ³	---	1000 ug/L	BPJ
Total Cyanide ³	---	100 ug/L	BPJ
Total Phenols ⁴	---	500 ug/L	BPJ
VOLATILE COMPOUNDS			
Acrolein ³	---	100 ug/L	BPJ
Acrylonitrile ³	---	100 ug/L	BPJ
Benzene ^{1,3}	---	100 ug/L	BPJ
Bromoform ³	---	100 ug/L	BPJ
Carbon Tetrachloride ³	---	100 ug/L	BPJ
Chlorobenzene ³	---	100 ug/L	BPJ
Chlorodibromomethane ³	---	100 ug/L	BPJ
Chloroethane ³	---	100 ug/L	BPJ
2-Chloroethyl Vinyl Ether ³	---	100 ug/L	BPJ
Chloroform ³	---	100 ug/L	BPJ
Dichlorobromomethane ³	---	100 ug/L	BPJ
1,2-Dichlorobenzene ³	---	100 ug/L	BPJ
1,3-Dichlorobenzene ³	---	100 ug/L	BPJ
1,4-Dichlorobenzene ³	---	100 ug/L	BPJ
1,1-Dichloroethane ³	---	100 ug/L	BPJ
1,2-Dichloroethane ³	---	100 ug/L	BPJ
1,1-Dichloroethylene ³	---	100 ug/L	BPJ
1,2-Dichloropropane ³	---	100 ug/L	BPJ
1,3-Dichloropropylene ³	---	100 ug/L	BPJ
Ethylbenzene ³	---	100 ug/L	BPJ
Methyl Bromide ³	---	100 ug/L	BPJ
Methyl Chloride ³	---	100 ug/L	BPJ
Methylene Chloride ³	---	100 ug/L	BPJ
1,1,2,2-Tetra-Chloroethane ³	---	100 ug/L	BPJ
Tetrachloroethylene ³	---	100 ug/L	BPJ
Toluene ³	---	100 ug/L	BPJ
1-2-Trans-Dichloroethylene ³	---	100 ug/L	BPJ
1,1,1-Trichloroethane ³	---	100 ug/L	BPJ
1,1,2-Trichloroethane ³	---	100 ug/L	BPJ
Trichlorethylene ³	---	100 ug/L	BPJ
Vinyl Chloride ³	---	100 ug/L	BPJ
ACID COMPOUNDS			
Phenol ³	---	100 ug/L	BPJ

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2-Nitrophenol ³	---	100 ug/L	BPJ
4-Nitrophenol ³	---	100 ug/L	BPJ
2,4-Dinitrophenol ³	---	100 ug/L	BPJ
4,6-Dinitro-o-Cresol ³	---	100 ug/L	BPJ
P-Chloro-M-Cresol ³	---	100 ug/L	BPJ
Pentachlorophenol ³	---	100 ug/L	BPJ
2-chlorophenol ³	---	100 ug/L	BPJ
2,4-Dichlorophenol ³	---	100 ug/L	BPJ
2,4,6-Trichlorophenol ³	---	100 ug/L	BPJ
2,4-Dimethylphenol ³	---	100 ug/L	BPJ
BASE/NEUTRAL/COMPOUNDS			
1,2-Diphenylhydrazine ³	---	100 ug/L	BPJ
1,2,4-Trichlorobenzene ³	---	100 ug/L	BPJ
2-Chloronaphthalene ³	---	100 ug/L	BPJ
2,4-Dinitrotoluene ³	---	100 ug/L	BPJ
2,6-Dinitrotoluene ³	---	100 ug/L	BPJ
3,3'-Dichlorobenzidine ³	---	100 ug/L	BPJ
3,4-Benzofluoranthene ³	---	100 ug/L	BPJ
4-Bromophenyl Phenyl Ether ³	---	100 ug/L	BPJ
4-Chlorophenyl Phenyl Ether ³	---	100 ug/L	BPJ
Acenaphthene ³	---	100 ug/L	BPJ
Acenaphthylene ³	---	100 ug/L	BPJ
Anthracene ³	---	100 ug/L	BPJ
Benzidine ³	---	100 ug/L	BPJ
Benzo (a) Anthracene ³	---	100 ug/L	BPJ
Benzo (a) Pyrene ³	---	100 ug/L	BPJ
Benzo, (g,h,i) Perylene ³	---	100 ug/L	BPJ
Benzo (k) Fluoranthene ³	---	100 ug/L	BPJ
Bis (2-Chloroethoxy) Methane ³	---	100 ug/L	BPJ
Bis (2-Chloroethyl) Ether ³	---	100 ug/L	BPJ
Bis (2-Chloroisopropyl) Ether ³	---	100 ug/L	BPJ
Bis (2-Ethylhexyl) Phthalate ³	---	100 ug/L	BPJ
Butyl Benzyl Phthalate ³	---	100 ug/L	BPJ
Chrysene ³	---	100 ug/L	BPJ
Dibenzo (a,h) Anthracene ³	---	100 ug/L	BPJ
Diethyl Phthalate ³	---	100 ug/L	BPJ
Dimethyl Phthalate ³	---	100 ug/L	BPJ
Di-N-Butyl Phthalate ³	---	100 ug/L	BPJ
Di-N-Octyl Phthalate ³	---	100 ug/L	BPJ
Fluoranthene ³	---	100 ug/L	BPJ
Fluorene ³	---	100 ug/L	BPJ
Hexachlorobenzene ³	---	100 ug/L	BPJ
Hexachlorobutadiene ³	---	100 ug/L	BPJ
Hexachlorocyclopentadiene ³	---	100 ug/L	BPJ

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Hexachloroethane ³	---	100 ug/L	BPJ
Ideno (1,2,3-c,d) Pyrene ³	---	100 ug/L	BPJ
Isophorone ³	---	100 ug/L	BPJ
Naphthalene ³	---	100 ug/L	BPJ
Nitrobenzene ³	---	100 ug/L	BPJ
N-Nitrosodimethylamine ³	---	100 ug/L	BPJ
N-Nitrosodi-n-propylamine ³	---	100 ug/L	BPJ
N-Nitrosodiphenylamine ³	---	100 ug/L	BPJ
Phenanthrene ³	---	100 ug/L	BPJ
Pyrene ³	---	100 ug/L	BPJ
PESTICIDES/HERBICIDES			
Alpha-Endosulfan ³	---	10 ug/L	BPJ
Beta-Endosulfan ³	---	10 ug/L	BPJ
Endosulfan Sulfate ³	---	10 ug/L	BPJ
Aldrin ³	---	10 ug/L	BPJ
Alpha-BHC ³	---	10 ug/L	BPJ
Beta-BHC ³	---	10 ug/L	BPJ
Gamma-BHC ³	---	10 ug/L	BPJ
Delta-BHC ³	---	10 ug/L	BPJ
Dieldrin ³	---	10 ug/L	BPJ
4,4'-DDE ³	---	10 ug/L	BPJ
4,4'-DDD ³	---	10 ug/L	BPJ
4,4'-DDT ³	---	10 ug/L	BPJ
Heptachlor ³	---	10 ug/L	BPJ
Endrin Aldehyde ³	---	10 ug/L	BPJ
Heptachlor Epoxide ³	---	10 ug/L	BPJ
Chlordane ³	---	10 ug/L	BPJ
Toxaphene ³	---	10 ug/L	BPJ
PCB-1242 ³	---	³	BPJ
PCB-1254 ³	---	³	BPJ
PCB-1221 ³	---	³	BPJ
PCB-1232 ³	---	³	BPJ
PCB-1248 ³	---	³	BPJ
PCB-1260 ³	---	³	BPJ
PCB-1016 ³	---	³	BPJ
2,3,7,8-TCDD (Dioxin) ²	---	5ug/L	BPJ
Endrin ³	---	5ug/L	BPJ

1. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing liquid or gaseous hydrocarbons.
2. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing chloride.

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3. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing this parameter.
4. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing any phenolic compound.
5. There shall be no discharge of polychlorinated biphenyls (PCBs).
6. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing ammonium compounds.
7. This parameter shall be monitored if the outfall could potentially be affected by the handling and/or storage of commodities containing nitrates.

Treatment: none

Monitoring Frequency: monthly at the point of discharge to the west ditch, east of Outfall 002, prior to mixing with other waters.

Monitoring of the parameters as specified above should terminate two monitoring periods after the commodities are no longer stored on site. If the effluent limitation is exceeded during either of these two additional monitoring periods, then monitoring shall continue once per month until the limit is met for two consecutive months at which time monitoring for the specified parameter shall cease. Monitoring for parameters with a report only requirement including TKN, nitrates, and chlorides, is only required for two monitoring periods after the commodities containing any of these parameters are no longer stored onsite.

Limits Justification: flow, TOC, oil and grease, and pH limits are based on LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6).

Lead and BTEX effluent limits are based on the Hydrostatic Test Wastewater General Permit, LAG670000 and similar Outfall 001.

The Total Phenols parameter is included in the permit based on BPJ because the facility may handle and/or store commodities that contain phenolic compounds, and there is potential for leaks and spills during the transfer of the products. The effluent limit is based on current LDEQ practices.

Chlorides reporting is included in the permit because of the storage and transfer of calcium chloride, and the potential for leaks and spills during the transfer of the product at the pumps, tanks and pipes. The reporting requirement has been established to gain data on the amount of chlorides being discharged.

TKN and Nitrates reporting is included in the permit because of the storage and transfer of urea ammonium nitrate and the potential for leaks and spills during the transfer of the product at the pumps, tanks and pipes. The reported values will be used in the TMDL study for this waterbody. Upon completion of the TMDL, the report requirement will either be deleted, or a limit will be set.

All other parameters are included in the permit based on BPJ because of the potential for the facility to handle and/or store commodities containing metals, volatile compounds, acid compounds, base/neutral compounds and pesticides/herbicides, and because there is potential for leaks and spills during the transfer of the products. The effluent limitations are based on state empirical limitations and are consistent

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with current LDEQ practices for permitting stormwater with potential to discharge these types of pollutants.

- * LDEQ's guidance on stormwater, letter dated 6/17/87, from J. Dale Givens (LDEQ) to Myron Knudson (EPA Region 6)

BPJ Best Professional Judgement
su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

This facility is not subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos" and 40 CFR 442.1.b, "This part is not applicable to... wastewaters resulting from cleaning the interiors of drums, intermediate bulk containers, or closed top hoppers." This facility does not clean tanks used to transport cargo.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.h, facilities classified as SIC code 4226, are not considered to have storm water discharges associated with industrial activity unless they have "vehicle maintenance shops, equipment cleaning operations, or airport deicing operations." This facility does have equipment cleaning operations. Also, in accordance with LAC 33:IX.2511.A.1.e and LAC 33:IX.2511.A.9.a.iv, any stormwater discharges which "contribute to a violation of water quality standards or is a significant contributor of pollutants to waters of the state", shall be required to obtain an LPDES permit. The storage tank farm is exposed to stormwater and there is a potential for stormwater contamination from processes including loading and unloading chemicals.

For first time permit issuance, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance**, the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II of the permit).